

Research Associate/Research Fellow (Software Engineering/Artificial Intelligence/Risk Management)
Nanyang Technological University

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Posted Oct. 23, 2024, set to expire May 6, 2025

Job Title	Research Associate/Research Fellow (Software Engineering/Artificial Intelligence/Risk Management)
Department	School of Civil and Environmental Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Oct. 23, 2024
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Research Scientist/Associate
Academic Field(s)	Engineering - Other Civil Engineering Engineering - Other Civil Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Associate-Research-Fellow--Software-Engineering-Artificial-Intelligence-Risk-Management-_R00018840
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Associate-Research-Fellow--Software-Engineering-Artificial-Intelligence-Risk-Management-_R00018840
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Job Description	

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The School of Civil and Environmental Engineering (CEE) is a leading school for Sustainable Built Environment. The school plays an integral role in spearheading tertiary education, advancing research innovations and providing professional services in a number of key disciplines in Civil and Environmental Engineering and Maritime Studies fields, with the objective of contributing to the technological and economic advancement of Singapore and beyond. The school's mission in research is to achieve excellence by providing a conducive and intellectually stimulating environment to enable high quality work in strategic directions that are of significant impact to industry, science and technology.

We're hiring a Research Associate/Research Fellow to be part of our project in developing a software that employs artificial intelligence to manage ship and crew risks.

Key Responsibilities:

The Research Associate/Research Fellow will work on a project to conduct the research on development of an AI-Driven Ship Safety Management System. The roles of this position include:

- Develop an AI-driven software to manage ship and crew risks
- Conduct data analysis on the mental and physiological well-being of seafarers
- Develop data-driven methods and models to predict and assess the health of seafarers
- Integrate the developed models and indexes into an online system
- Contribute to manuscript writing, policy paper writing and patent applications related to the project

Job Requirements:

- Master's Degree (for Research Associate) or PhD Degree (for Research Fellow) in Software Engineering, Data Science, Risk Management, Maritime Studies or related field
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Expertise in any of the following skills, priority will be given to those who have multiple skills:
Software development and packaging, Machine learning and data analysis and Prior research
experience in occupational health and safety

- Knowledge in the maritime industry is an advantage
- Publication track record is an advantage
- Patent application experience is an advantage
- Proficiency in English and programming - essential for data analysis and communication with stakeholders

We regret that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact

Singapore